



## Global Weather - Review Questions

1. The earth's is tilted on it's axis approximately:
  - a. 21.5°
  - b. 23.5°
  - c. 25.3°
  - d. 25.5°
  
2. The date with the shortest amount of daylight in the Southern Hemisphere is:
  - a. June 22
  - b. March 21
  - c. September 23
  - d. December 22
  
3. The two dates on which equal daylight and night time hours occur are:
  - a. June 22 / March 21
  - b. March 21 / September 23
  - c. September 23 / December 22
  - d. March 21 / December 22
  
4. The earth is closest to the sun in the Northern Hemisphere summer. (TRUE, FALSE)
  
5. Temperatures inside a closed vehicle can reach 140°F-190°F degrees within 30 minutes on a hot, sunny day. (TRUE, FALSE)
  
6. Usually, fair and dry/hot weather is associated with high pressure around \_\_\_\_\_ (30°N/S, 50°-60° N/S) latitude with rainy and stormy weather associated with low pressure around \_\_\_\_\_ (30°N/S, 50°-60° N/S) latitude.
  
7. The global circulation pattern which dominates the tropics is called the:
  - a. Polar cell
  - b. Ferrel cell
  - c. Brady cell
  - d. Hadley cell
  
8. Jet streams also "follow the sun" in that as the sun's elevation \_\_\_\_\_ (increases, decreases) each day in the spring, the jet streams shifts by moving \_\_\_\_\_ (north, south) during the Northern Hemisphere spring.
  
9. Climates are the general weather conditions usually found in a particular place. (TRUE, FALSE)
  
10. Exposure to full sunshine can increase heat index values by up to:
  - a. 5°F
  - b. 8°F
  - c. 12°F

d. 15°F

11. If the relative humidity is \_\_\_\_\_, the capacity for air to hold water is \_\_\_\_\_. Therefore, the amount of evaporation is \_\_\_\_\_ and the heat removed from the body is \_\_\_\_\_.
- a. low, smaller, lower, more
  - b. high, larger, higher, less
  - c. high, smaller, lower, less
  - d. low, smaller, higher, more
12. If the temperature outside is -5°F and the wind chill temperature is -31°F, then your car's radiator temperature will be -31°F. (TRUE, FALSE)